

September 28, 2011

Electricity Supply & Demand Report for August 2011

1. Electricity demand (See Table 1)

Electric power sold in August totaled 6.165 billion kWh, which was 83.1% compared to the same period of the previous year, and which fell below the result of the previous year for the sixth consecutive month because of the Great East Japan Earthquake, customers' cooperation for saving electricity and reaction from heat wave in last summer. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 83.1% compared to the same period of the previous year because of the Great East Japan Earthquake, customers' cooperation for saving electricity and reaction from heat wave in last summer.

Non-specified scale demand in total was 82.9% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 78.5% year-on-year, and which fell below the result of the previous year because of the Great East Japan Earthquake, customers' cooperation for saving electricity and reaction from heat wave in last summer.

Overall power demand in the specified-scale sectors totaled 83.3% of the same period of the previous year.

In the industrial and other sectors, power demand mostly came from large-scale industrial customers, as described in the reference below.

[Reference]

– Large-scale industrial demand

Large-scale industrial demand in total was 84.2% year-on-year because of the Great East Japan Earthquake, restriction of electricity use, and reaction from heat wave in last summer, and which fell below the result of the previous year for the sixth consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in August totaled 6.825 billion kWh, 81.9% compared to the same period of the previous year, and which fell below the result of the previous year for the sixth consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

There was ample during this period with a high water flow rate of 103.6%.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima, hydropower generation totaled 376 million kWh, a decrease in 222 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Because of the Great East Japan Earthquake and Tsunami, undamaged thermal power plants operated higher than the previous year to offset thermal power generation of damaged power plants. And due to different operational conditions of the thermal power plants, thermal power generated at our own plants totaled 4.286 billion kWh, an increase in 190 million kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Because of the Great East Japan Earthquake and Tsunami, all reactors of Onagawa nuclear power station were automatically shut down. Higashidori nuclear power station unit 1 has been shut down due to the 4th regular inspection since February 6, 2011. So, there was no nuclear power generated by our own nuclear power plants.

(Power generated by our own renewable power plants)

Due to different operational conditions of the geothermal power plants compared to the same period of the previous year, total power generated rose to 85 million kWh, an increase in 10 million kWh from the same period of the previous year.

(Power purchased)

Due to shut down of several plants of others caused by the Great East Japan Earthquake and Tsunami, and different operational conditions of others, total power purchased from others fell to 1.690 billion kWh, a decrease in 328 million kWh from the same period of the previous year.

(Table 1)

Power demand during August 2011

(Units: million kWh; %)

Segments		Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	1,759	2,116	83.1
	Power	343	421	81.6
	Subtotal	2,102	2,537	82.9
Specified Scale Demand	Commercial	1,318	1,678	78.5
	Industrial and others	2,745	3,202	85.7
	Subtotal	4,063	4,880	83.3
Total power sold		6,165	7,417	83.1

(Reference)

Sold to large-scale industrial customers

(Units: million kWh; %)

	Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	2,015	2,393	84.2

Year-to-year percentage by sectors (%), Large-scale industrial customers

Foodstuffs	80.2	Pulp and paper	76.9	Chemicals	85.0
Ceramics, stone and clay	88.9	Steel	71.1	Non-ferrous metals	85.9
Machinery	87.6				

(Table 2)

Overview of power supply during August 2011

(Units: million kWh; %)

Segments			Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectr	Natural inflow	318	519	-201	61.3
		Reservoir/pumped-storage	58	79	-21	74.1
		Subtotal	376	598	-222	63.0
	Thermal		4,286	4,096	190	104.6
	Nuclear		0	1,836	-1,836	0.0
	Renewable		85	75	10	112.4
	Subtotal		4,747	6,605	-1,858	71.9
Power purchased from others			1,696	2,024	-328	83.8
Interchange power			415	-284	699	-145.9
Pumping-up power			-33	-16	-17	202.7
Total			6,825	8,329	-1,504	81.9
Water flow rate			103.6	84.8	18.8	—